Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/17/2018 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125173	0	1.62	124983	1.58
Blue	F	SSC	125000	122886	-2	3.66	123059	3.41
Blue	E	FITC	23615	22924	-3	2.73	1025	10.91
Blue	D	PE	26739	26409	-2	2.23	948	10.64
Blue	B	PerCP-Cy5-5	48339	47254	-3	3.80	1366	17.84
Blue	A	PE-Cy7	45021	44915	-1	5.39	700	37.35
Red	C	APC	53064	51537	-3	2.76	2946	9.68
Red	A	APC-Cy7	57175	56027	-3	2.76	1184	11.30
Violet	B	V450	14728	14046	-5	5.23	669	9.91
Violet	A	V500	58621	56720	-4	5.08	2506	7.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19156	2.82	616	2	N/A	N/A	Pass
Blue	F	SSC	60929	1.66	562	16	N/A	N/A	Pass
Blue	E	FITC	113	42.36	551	3	0.0185	220	Pass
Blue	D	PE	207	31.77	543	7	0.1386	264	Pass
Blue	B	PerCP-Cy5-5	212	48.79	641	6	0.0091	147	Pass
Blue	A	PE-Cy7	72	131.79	700	7	0.0107	20	Pass
Red	C	APC	337	28.31	597	0	0.0193	40	Pass
Red	A	APC-Cy7	130	41.41	580	0	0.0054	1841	Pass
Violet	B	V450	81	48.82	462	-8	0.0508	3249	Pass
Violet	A	V500	183	27.40	489	-8	0.0155	1880	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.70	-31.24	0.99
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	17.97	14.40 - 21.60	N/A	N/A	30.91	31.38	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10124

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments